

23x152 mm ARSENAL Air Defense System

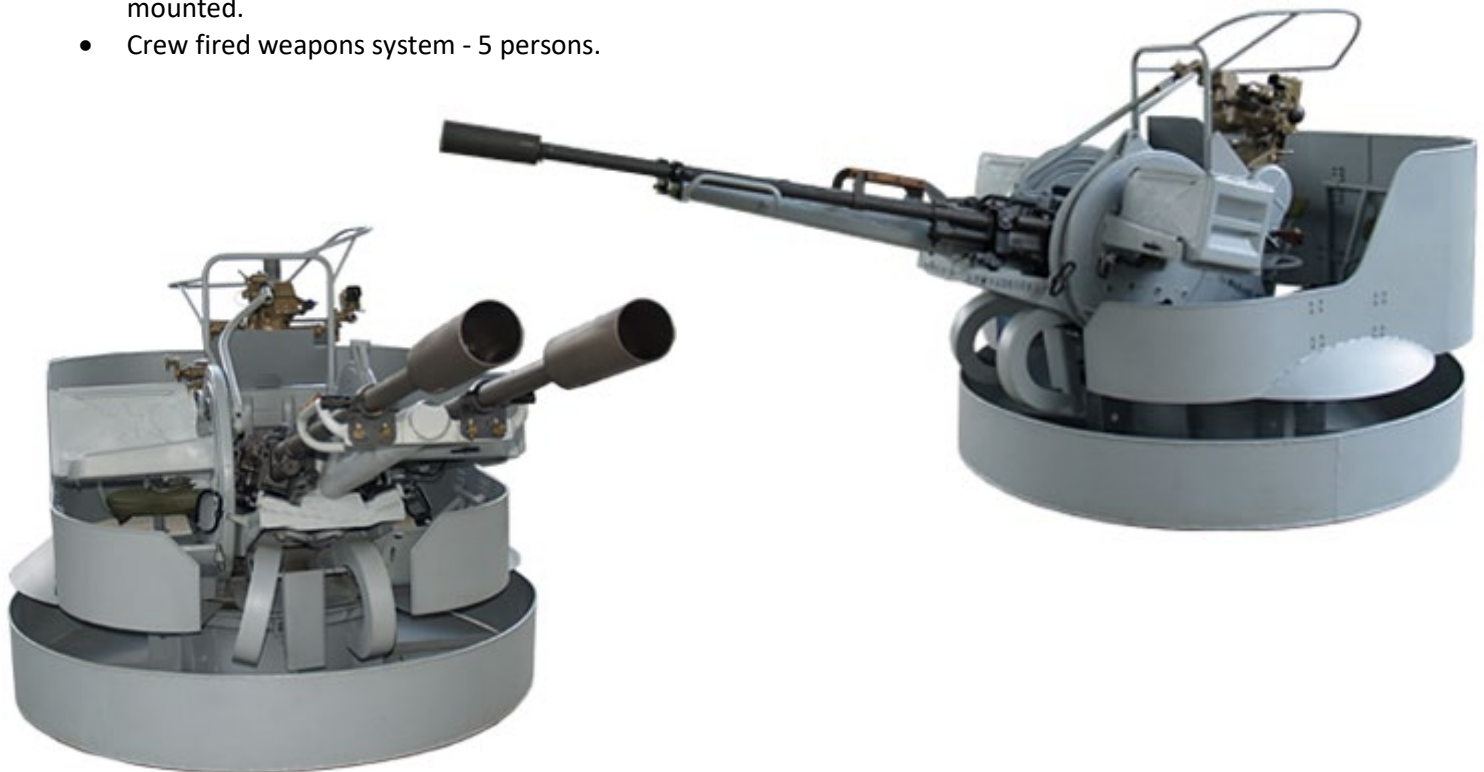
ADS-N (for Navy)

23x152 mm ADS-N
NSN: 1005-50-000-7416

ADS-N is a powerful weapons system mounted to boats/ships/watercraft, intended for destruction of air targets within the range of 2500 m at height 1500 m, light armored sea targets and shore firing points within the range of 2000 m, well as for destruction of enemy light armor vehicles, manpower/troops in the open or behind light concealment.

ADS-N Performance:

- The weapon is used for destruction of air, light armored ground/sea targets, firing points, as well as for destruction of enemy manpower at open or behind the light concealment;
- Possess high tactical characteristics necessary for fighting against targets of opportunity and high speed targets;
- Equipped with Anti-Aircraft Automatic Sight ZAP-23 and Optical Ground Sight T-3;
- Weapon feeding is performed by 50 round metal linked belt placed in a metal ammunition box.
- The System uses 23x152 mm HEI-T, HEI, API-T and FAPDS-T rounds.
- Attachment of ADS-N to the deck is performed by 16 sets of bolts, nuts, thickening washers and spring washers, as the length of the bolts is according to the thickness of the deck.
- Near the ADS-N System, at place suitable for gunner operation and not disturbing the System functioning, 2 pcs of cabinets for keeping the ammunition boxes (for left and right hand feeding) and bath for Barrel cooling are mounted.
- Crew fired weapons system - 5 persons.



| COMPLETE SET (ACCESSORIES) | ADS-N |
|--|-------------------------------------|
| 2 pcs spare barrels | Overall protection cover |
| Sights: ZAP-23 , T-3 and KV-L collimator | 2 pcs covers for the flush hidere |
| 14 pcs ammunition boxes | Cover for the sight |
| Barrel cooling basin | 2 pcs ammunition preservation cases |
| SPTA set | |

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| SPECIFICATIONS | ADS-N |
|---|----------------------|
| Number x caliber of automatic guns, mm | 2x23 |
| Ammunition, mm | 23x152 |
| Rate of fire, rounds/min | from 1600 to 2000 |
| Muzzle velocity of projectile, m/s | 970 |
| Effective range, m | |
| - traverse | 2000 m |
| - elevation | 1500 m |
| - slant | 2500 m |
| Combat ammunition load, pcs | 100 |
| Aiming speed, deg/s | |
| - traverse | 30/60 |
| - elevation | 40 |
| Engagement section, degrees | |
| - horizontal | 360 |
| - vertical | from -10 to +90 |
| Overall dimensions in combat position, mm/in | |
| - length | 3700 mm / 145.6 in |
| - height | 1650 mm / 64.9 in |
| - width | 1900 mm / 74.8 in |
| Weight of the system with covers, loaded ammunition boxes and SPTA set, kg/lbs. | 880 kg / 1940.0 lbs. |

| PACKING | |
|--|--|
| 1. Case for two barrels and one gun, pcs | 2 |
| - Case dimensions, mm/in | 2135 x 385 x 336 mm / 84.0 x 15.1 x 13.2 in |
| - Case gross weight, kg/lbs. | 150 kg / 330.6 lbs. |
| 2. Ammunition preservation case w/ 6 pcs. boxes each | 2 |
| - Case dimensions, mm/in | 1000 x 620 x 620 mm / 39.3 x 24.4 x 4.4 in |
| - Case gross weight, kg/lbs. | 150 kg / 330.6 lbs. |
| 3. Case for barrel cooling basin, pc | 1 |
| - Case dimensions, mm/in | 1000 x 620 x 620 mm / 39.3 x 24.4 x 24.4 in |
| - Case gross weight, kg/lbs. | 150 kg / 330.6 lbs. |
| 4. Case with 630 belt links, pc | 1 |
| - Case dimensions, mm/in | 1126 x 310 x 342 mm / 44.3 x 12.2 x 13.4 in |
| - Case gross weight, kg/lbs. | 55 kg / 121.2 lbs. |
| 5. Case for SPTA set, pc | 1 |
| - Case dimensions, mm/in | 802 x 490 x 275 mm / 31.5 x 19.2 x 10.8 in |
| - Case gross weight, kg/lbs. | 50 kg / 110.2 lbs. |
| 6. Weight of mount with cover on palette, kg/lbs. | 730 kg / 1609.3 lbs. |
| - Palette dimensions, mm/in | 3100 x 2000 x 1800 mm / 122.0 x 78.7 x 70.8 in |